

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number
WO 2004/020318 A1

(51) International Patent Classification⁷: **B65G 53/30**

Gloucester GL3 3QH (GB). **CHILDS, Geoffrey, John, Christopher** [—/—]; Roseventon, Twelveheads, Truro, Cornwall TR4 8SN (GB).

(21) International Application Number:
PCT/GB2003/002693

(22) International Filing Date: 24 June 2003 (24.06.2003)

(74) Agent: **HALSTEAD, Richard, Ralph**; Wynne-Jones, Laine & James, 22 Rodney Road, Cheltenham GL50 1JJ (GB).

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(26) Publication Language: English

(30) Priority Data:
0220256.2 31 August 2002 (31.08.2002) GB
60/407,288 3 September 2002 (03.09.2002) US

(71) Applicant (*for all designated States except US*): **AXSIA SERCK BAKER LIMITED** [GB/GB]; Axsia House, Water Wells Business Park, Gloucester GL2 4AS (GB).

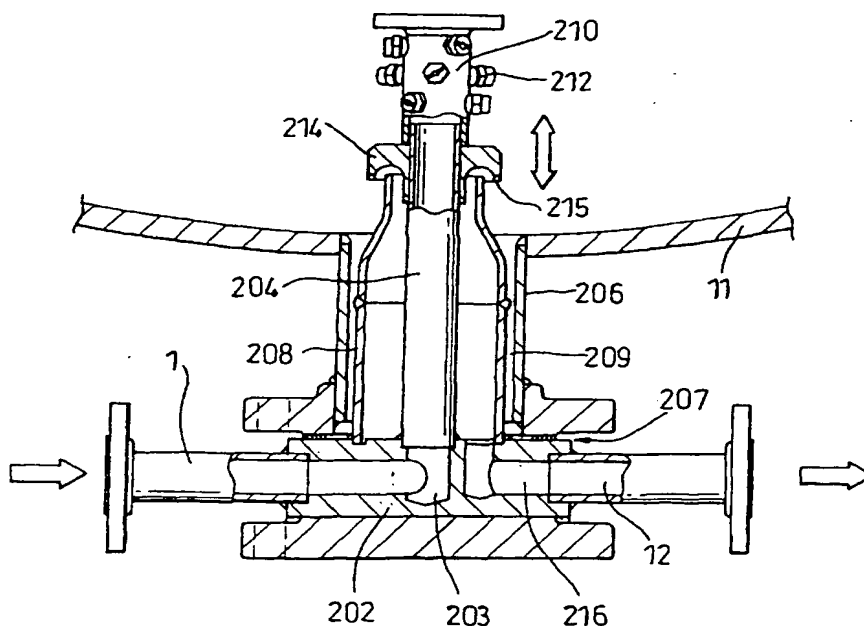
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LANGE, Neville, Ernest** [GB/GB]; 39 Churchdown Lane, Hucclecote,

[Continued on next page]

(54) Title: FLUIDISING APPARATUS



(57) Abstract: A fluidising apparatus includes a supply duct (1) for supplying liquid under pressure to a lower portion of a vessel (11) containing a fluidisable material. The supply duct (1) extends into the vessel. The outlet end of the apparatus includes one or more jets (212) for directing the flow of liquid into the vessel (11) substantially transversely to the major axis of the supply duct (1). An outlet duct (12) for removing the fluidised material from the vessel (11) is also included.

BEST AVAILABLE COPY

WO 2004/020318 A1